



Marine & Offshore

Certificate number: 50010/C0 BV

File number: LSA 87048/02

Product code: 60281

This certificate is not valid when presented without the full attached schedule
composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

SURVITEC GROUP LIMITED
BELFAST - UNITED KINGDOM

for the type of product

RESCUE BOATS

Rigid/Inflated Rescue Boat, Type: RIBO 600

Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/21, III/31 and III/34
IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89),
MSC.368(93), MSC.425(98), MSC.459(101) and MSC.485(103) I, V
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8
IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89),
MSC.378(93), MSC.427(98), MSC.472(101) and MSC.488(103)
IMO MSC/Circ.1006 and IMO MSC.1/Circ.1631
ISO 15372:2000 + A1:2021

Transport Canada Requirements:

Transport Canada Life Saving Equipment Regulations, TP14475 and TP14612

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 12 Nov 2029

For Bureau Veritas Marine & Offshore,

At BV LONDON, on 12 Nov 2024,

Spencer Yule

This certificate was created electronically and is valid without signature



This certificate is recognized by Transport Canada

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Type	Rigid/Inflated Rescue Boat of GRP Construction with 4 points lifting slings
Designation	RIBO 600

Overall dimensions (mm)			Maximum Capacity
Length	Breadth	Depth	6 persons including one person lying down on a stretcher
6000 mm	2450 mm	585 mm	

RIBO 600 Equipped of the Engine	Yamaha 70HP - 4 Strokes	Mercury F90 - 4 Strokes
Light Weight (Fully Equipped)	752 kg	798 kg
Full Load (6 persons)	1247 kg	1293 kg

2. DOCUMENTS AND DRAWINGS:

Design Record:

Reference Number	Date	Revision	Title	Pages
BF-11-62 TC	22/04/2024	2	RIBO 600 TC	7

Drawings:

Reference Number	Date	Revision	Title	Pages
400400	24/05/2013	-	D Ring 25mm Patch	1
400445	16/01/2014	C	Sling	1
400462	26/02/2015	A	Equipment Bag	1
400475	02/09/2014	A	Reinforcing Plate	1
A-100003	08/10/2020	B	2 Passengers Seat	1
A-100000	19/10/2020	-	Self-Righting Frame	1
400547	04/11/2020	A	Self-Righting System	1
400549	05/10/2020	B	Self-Righting Fixing System	1
400550	16/07/2013	-	Drain Mounting	1
400577	17/07/2013	-	Righting Bag Command Pocket	1
400557	16/07/2013	-	Engine Pail	1
400559	16/10/2020	B	Righting Buoyancy Bag	1
400561	12/10/2020	A	Accessories Position on Transom	1
400562	16/07/2013	-	Lifting Point Position	1
400563	16/07/2013	-	Eyed Screw	1
400565	12/12/2013	A	Drawing for Cradle	1
A-100001	19/11/2019	-	Control Panel	1
A-100004	09/10/2020	B	Jockey Seat With Battery	1
400575	17/07/2013	-	Towing Loop	1
400576	17/07/2013	-	Drain Manufacturing	1
400578	17/07/2013	-	Buoyancy Volumes	1
400579	18/07/2013	-	Buoyancy Main Assembly	1
400580	12/10/2020	A	Reflective Tape Position Under Hull	1
400581	18/07/2013	-	Main Assembly	1
400583	18/07/2013	-	Rescue Ladder Installation	1
401445	23/01/2024	D	Identification Plate	1
400615	29/09/2017	D	Rescue Boat Sticker	1
400624	05/10/2020	A	Webbing for Low Lifeline	1
400626	09/10/2020	A	Charger Diagram	1
400628	20/11/2020	B	Propulsion & Steering System	1
401210	12/04/2017	-	Front Towing System	1
401256	15/06/2017	-	Compass Position	1
401301	24/07/2017	-	Label Position	1
P-100347	09/12/2020	-	Tiller	1
A-100161	15/12/2020	-	Tiller	1

Structural Drawings:

Reference Number	Date	Revision	Title	Pages
400523	12/07/2013	-	Hull Assembly	1
400525	12/07/2013	-	Wood Cutting for Hull	1
400529	12/07/2013	-	Hull Cutting	1
400534	12/07/2013	-	Linking Upper & Lower Deck	1
400553	16/07/2013	-	Hull Tube Assembly	1
400562	16/07/2013	-	Lifting Point Position	1
400567	17/07/2013	-	Wood Reinforcement Positions	1
400568	17/07/2013	-	Hull Wood Reinforcement	1
400625	29/07/2013	-	Upper Deck	4
400635	21/11/2023	C	Hull	11
400636	21/11/2023	C	Upper Deck	18
400720	13/06/2013	-	Aft Board	6
401208	12/04/2017	-	Deck Fittings	1
401662	21/11/2023	B	Hull stratification	1

Materials and Components:

Reference Number	Date	Revision	Title	Pages
D.I.F RIBO EC	22/01/2024	V	Suppliers File RIBO EC	6
D.I.F RIBO annexe	06/11/2024	H	Suppliers File RIBO CCG - specific items	2

No departure from these documents is permitted without the prior consent of the Society.

3. TEST REPORTS:**Rescue boat**

Date	Test Report
01/12/2011 & 11/01/2012	BE 049/2011 Initial Type test on serial number XDC-ES-C529C C111
13/03/2020	BE 004/2020 Additional type test performed on serial number XDCC796C1111
18/11/2020	BE 022/2020 Additional Strength test performed on serial number XDCAD000

Additional type test related to Canadian's requirements

Date	Test Report
04/10/2017	D0013/C17 Marking- Rubbing test
05/12/2017	BE 045/2017 Lifeline Patch
05/12/2017	BE 046/2017 Seating Test

Laminate material of hull and rigid cover

Revision / Date	Test Report
08/11/2023 Rev.1	WIL-537851 Exposure to Laboratory light Sources
Revision 2	DM-QTD 2023-087 Fire retardant & Flame resistance testing

Inherent and additional buoyancy materials

Date	Test Report
17/12/2008	LA 08 TLS 2317 P.V Initial test report
10/04/2012	R024-BNN-12-100094-1/A Additional test report

Maximum towing forces

	Engine Type	
	Yamaha 70HP - 4 Strokes	Mercury F90 - 4 Strokes
Towing Force (N)	3760	5800
Related Test Report	BE 004/2020	PV BE022-2020
with rescue boat serial number	XDCC796C1111	XDCAD000

4. APPLICATION / LIMITATION:

- This certificate is issued by Bureau Veritas as Recognised Organisation of the Administration, as per SOLAS Convention and in compliance with the technical requirements therein, for equipment to be fitted on board ships entitled to fly its flag.
- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Application / limitation as per product description and requirements stated on front page of this certificate.
- The period of shelf life of equipment subjected to deterioration with age is to be indicated.
- On board installation & maintenance as per requirements stated on front page of this certificate.
- The maintenance of the rescue boat shall be carried out according by service stations, approved by a Recognized Organisation of the Administration, with instructions stated in the manual(s) for installation use and maintenance.
- The following equipment shall comply with the requirements of SOLAS 74, to the satisfaction of the ship's flag administration for acceptance of the equipped lifeboat on board the concerned ship:

Propulsion Engines

Manufacturer	Yamaha	Mercury
Type	Yamaha 70HP - 4 Strokes Yamaha F70AETL	Mercury F90 - 4 Strokes Mercury Seapro F90 EFI ELPT
Power	51.5 kW @ 5800tr/min	67 kW

Others

Designation	Additional information
Release Mechanism Position indicating lights Thermal protective aids Retro reflective materials Radar reflector Portable fire-extinguishing equipment Compass: Searchlight	with indication of SWL Artica 2"3/4 BA2 (Riviera Srl)

- The following equipment shall be type approved in accordance with SOLAS 74 and the Transport Canada requirements TP14475 and TP14612, to the satisfaction of the ship's flag administration for acceptance of the equipped rescue boat on board the concerned ship:

Designation	Additional information
Position indicating lights Thermal protective aids First aid kit	shall comply with TP14475 Part I paragraph 5

- Other rescue boat equipment as listed in LSA Code chapter 5.1.2.2, 5.1.2.3 and 5.1.2.4 is to be to the satisfaction of the ship's flag administration for acceptance of the equipped fast rescue boat on board the concerned ship.
- Electrical components including batteries to be as per documents and drawings listed in paragraph 2.

Fabric for inflated parts

Reference:	Type:	Manufacturer:
Fabric	ORCA 866	Pennel & Flipo

Raw materials for the G.R.P Hull

Reference:	Type:	Manufacturer:
Gel Coat	BUFA ISO 3000	BUFA composite system
Resin	BUFA Firestop 8175 H 13239 TA	BUFA composite system Ashland Polynt Composites
Mats	M705 Chopped Strand Mat 3209 E-QX868	Owens corning
Woven Roving	600g/m ²	QUIMIDROGA
UD	Ruban 8002	Les Fils d'Auguste Chomar et Cie
Buoyancy material	POL CX 25 STD Gris	Flexicel

5. PRODUCTION SURVEY REQUIREMENTS:

The Rescue Boats are to be supplied by **Survitec** in compliance with the type and the requirements described in this certificate. This type of product is within the category IBV of Bureau Veritas Rule Note NR320. BV product certificate is required when ship or unit is intended to be granted with LSA additional class notation.

The raw materials are to be traceable in case of compatibility problems in repair.

Each equipment, or batch of equipment, is to be supplied with its Manual(s) for Installation, use & maintenance (to be both in English and in French).

6. MARKING OF PRODUCT:

Instructions, Diagrams, Markings illustrating the use of the **Rescue boat** shall be printed indelibly (to be both in English and in French).

The rigid/inflated rescue boat shall be marked with:

- Manufacturer's name
- Serial number
- Markings as per chapters 1.2, 4.4.1.2, 4.4.9 and 5.1.3.4 of LSA Code as amended.
- BV markings

All instructions or markings that accompany life-saving appliances or are printed directly on the appliances must be in both English and French.

7. OTHERS:

It is **Survitec**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This certificate supersedes the Type Approval Certificate N°50010/B0 BV issued on 09/11/2022 by Bureau Veritas.

*** END OF CERTIFICATE ***